80 PLUS Verification and Testing Report

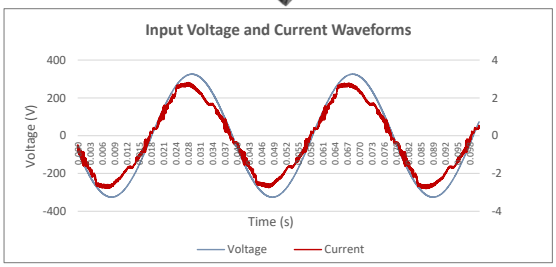
TYPICAL EFFICIENCY (50% Load):	**90.86%**
AVERAGE EFFICIENCY :	**84.46%**
AVERAGE STANDBY EFFICIENCY :	**75.24%**
80 PLUS COMPLIANT:	**Silver**



ID Number	EU-1322
Manufacturer	Gigabyte
Model Number	GP-P750BS PG5
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	3/25/26

Rated	Value	Units
Input Voltage	155-240	**Volts**
Input Current	8	**Amps**
Input Frequency	60-50	**Hz**
Rated Output Power	750	**Watts**

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



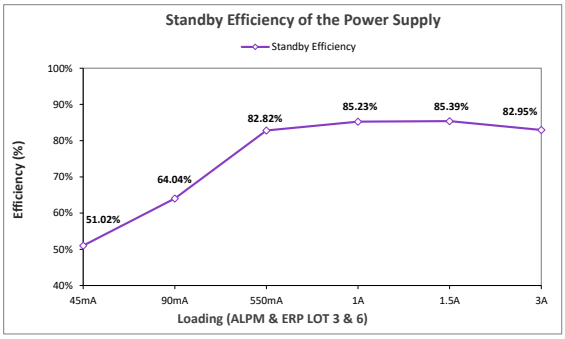
Input AC Current Waveform (ITHD = 7.84%, 50% Load)

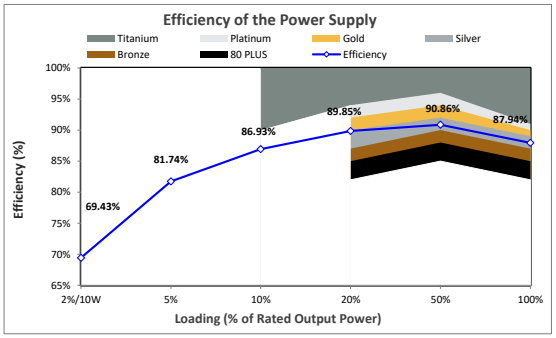
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.113	0.1101	19.09	0%	**2.87**	**No-Load**						
0.192	**0.4934**	21.20	2%/10W	**21.81**	12.093/1.081	12.084/0.005	3.354/0.208	5.084/0.208	5.121/0.052	**15.14**	**69.43%**
0.249	**0.8094**	16.57	5%	**46.30**	12.094/2.700	12.072/0.013	3.352/0.520	5.080/0.520	5.117/0.130	**37.85**	**81.74%**
0.403	**0.9400**	10.50	10%	**87.05**	12.097/5.398	12.070/0.026	3.348/1.038	5.074/1.039	5.111/0.259	**75.66**	**86.93%**
0.748	**0.9788**	6.86	20%	**168.44**	12.101/10.795	12.068/0.052	3.340/2.078	5.061/2.079	5.099/0.518	**151.34**	**89.85%**
1.821	**0.9938**	7.84	50%	**416.32**	12.112/26.986	12.036/0.130	3.316/5.199	5.020/5.200	5.061/1.296	**378.25**	**90.86%**
3.745	**0.9974**	5.99	100%	**859.45**	12.127/53.968	11.956/0.259	3.275/10.400	4.951/10.401	4.993/2.590	**755.79**	**87.94%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.107	0.0068	1.41	0mA	**0.17**	**Vampire Load**		
0.107	**0.0184**	4.73	45mA	**0.45**	5.119/0.045	**0.23**	**51.02%**
0.107	**0.0292**	7.60	90mA	**0.72**	5.117/0.090	**0.46**	**64.04%**
0.113	**0.1307**	28.44	550mA	**3.38**	5.095/0.550	**2.80**	**82.82%**
0.123	**0.2099**	42.44	1A	**5.95**	5.073/1.000	**5.07**	**85.23%**
0.139	**0.2774**	53.80	1.5A	**8.87**	5.049/1.500	**7.57**	**85.39%**
0.191	**0.4084**	70.19	3A	**17.98**	4.970/3.000	**14.91**	**82.95%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)





These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications.
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